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(57) Abstract :

The present disclosure relates to an apparatus (100) for monitoring motion of a subject, the apparatus includes a frame (102) configured with a cushion adapted for holding the subject, one or more walls are configured on side portion on the frame and first one or more sensors (104) configured to generate a first set of signals pertaining to the motion of the subject. A processor (106) operatively coupled with the one or more sensors, the processor configured to receive, from the one or more sensors, the first set of signals; and process the first set of signals to extract a value for the motion of the subject, wherein, the processor (106) is configured to adjust the walls on the side portion on the frame at a predetermined position, the predetermined position determined as being required to protect the subject from injury.

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